Application No.: 10/700,633
Reply dated August 10, 2006
Reply to Non-Final Office Action mailed 5-15-2006

AMENDMENTS TO THE CLAIMS

Please AMEND claims 1 and 4 as shown below.

Please CANCEL claim 9.

The following is a complete list of all claims in this application.

1. (Currently Amended) A plasma display panel comprising a fluorescent layer that

includes a red phosphor pattern, a green phosphor pattern, and a blue phosphor pattern, the

red phosphor pattern containing Y(V,P)O₄:Eu and (Y,Gd)BO₃:Eu and having a red-color purity

ranging from 0.657 to 0.670 for a chromaticity coordinate value x and from 0.322 to

[[0.332]]0.327 for a chromaticity coordinate value y, and wherein the amount of Y(V,P)O₄:Eu is

in the range of 20-80% by weight based on the total weight of Y(V,P)O₄:Eu and (Y,Gd)BO₃:Eu.

2. (Cancelled)

3. (Original) The plasma display panel of claim 1, wherein the amount of Y(V,P)O₄:Eu is

in the range of 50-80% by weight based on the total weight of Y(V,P)O₄:Eu and (Y,Gd)BO₃:Eu.

4. (Currently Amended) A plasma display panel comprising a fluorescent layer that

includes a red phosphor pattern, a green phosphor pattern, and a blue phosphor pattern,

wherein the plasma display panel is without a color-compensating filer, the red phosphor pattern

contains Y(V,P)O₄:Eu and (Y,Gd)BO₃:Eu, and the red light has an afterglow decay time of 4.0-

8.8 ms and a red-color purity ranging from 0.663 to 0.670 for a chromaticity coordinate value x

and from 0.322 to [[0.332]]0.327 for a chromaticity coordinate value v.

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5. (Original) The plasma display panel of claim 4, wherein the amount of $Y(V,P)O_4$:Eu is in the range of 20-80% by weight based on the total weight of $Y(V,P)O_4$:Eu and $(Y,Gd)BO_3$:Eu.

6. (Original) The plasma display panel of claim 4, wherein the amount of $Y(V,P)O_4$:Eu is in the range of 50-80% by weight based on the total weight of $Y(V,P)O_4$:Eu and $(Y,Gd)BO_3$:Eu.

7-9. (Cancelled)

10. (Original) The plasma display panel of claim 4, having an afterglow decay time of 4.0-8.0 ms for red light.

11. (Previously Presented) A plasma display panel comprising a fluorescent layer that includes a red phosphor pattern, a green phosphor pattern, and a blue phosphor pattern, wherein the plasma display panel is not provided with a color-compensation filter, and the red phosphor pattern includes Y(V,P)O₄:Eu and (Y,Gd)BO₃:Eu with a combined red-color purity ranging from 0.657 to 0.670 for a chromaticity coordinate value x and from 0.322 to 0.327 for a chromaticity coordinate value y.

12-14. (Cancelled)

15. (Previously Presented) The plasma display panel of claim 11, wherein the amount of $Y(V,P)O_4$:Eu is in the range of 20-80% by weight based on the total weight of $Y(V,P)O_4$:Eu and $(Y,Gd)BO_3$:Eu.

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16. (Previously Presented) A plasma display panel comprising a fluorescent layer that

includes a red phosphor pattern, a green phosphor pattern, and a blue phosphor pattern,

wherein the plasma display panel is without a color-compensation filter, and the red phosphor

pattern includes Y(V,P)O₄:Eu and (Y,Gd)BO₃:Eu with a combined red-color purity ranging from

0.660 to 0.670 for a chromaticity coordinate value x and from 0.322 to 0.327 for a chromaticity

coordinate value y.

17. (Previously Presented) The plasma display panel of claim 16, wherein the plasma

display panel has an afterglow decay time of 4.0-8.0 ms for red light.

18. (Previously Presented) The plasma display panel of claim 17, wherein the red

phosphor pattern contains Y(V,P)O₄:Eu and (Y,Gd)BO₃:Eu.

19. (Cancelled)

20. (Previously Presented) The plasma display panel of claim 15, wherein the amount of

Y(V,P)O₄:Eu is in the range of 50-80% by weight based on the total weight of Y(V,P)O₄:Eu and

(Y,Gd)BO₃:Eu.

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